



Indiana Mathematics, Science and Technology Education Alliance

IMSTE P.O. Box 4150 Carmel, IN 46082-4150 imstea.org

FOR IMMEDIATE RELEASE

Gas Isn't Too Expensive If You Get 1,500 Miles per Gallon

The fourteenth annual IMSTE Super Mileage Challenge will be held at O'Reilly Raceway Park in Indianapolis on Monday, April 27, 2009, beginning at 8 a.m. Forty Indiana high schools have entered 60 cars in the three classes of competition. Stock class allows no modification to the engine and will have 28 cars. Unlimited class allows engine modifications and will have 27 entries. A new category this year is the Experimental Class which will feature cars powered by diesel fuel, batteries, and hydrogen. Five cars are entered in this class. The unlimited class cars typically average over 1,000 mpg, and this year the field will be seeking to crack the 1,500 mpg barrier.

The students build their own cars under the supervision of a faculty member. They are responsible for the design and construction of the car and for raising all funds needed for the project. Briggs & Stratton Corp. furnishes the engines, but all other items must be either purchased or donated by sponsors. The students learn not only the technical and scientific aspects of building a high mileage car, they also learn how to work as a team and solve complex problems.

To be eligible to compete, each school must submit a detailed technical proposal covering all aspects of the design and construction of the car. Such things as aerodynamic drag, friction

forces, braking forces and cornering forces must be calculated and discussed in detail. The proposal insures that the students are exposed to the scientific principles of high mileage as well as the technology of building the car.

These students are the future scientists, engineers and technicians who will be designing, building and servicing the cars of the future. What they learn in this event may help them to give us more fuel-efficient cars in times to come.

The Super Mileage Challenge is held under the auspices of the Indiana Mathematics, Science and Technology Education Alliance (IMSTEA). IMSTEA is a non-profit, educational organization composed of teachers, administrators, businesspersons and concerned citizens. It is dedicated to improving the technological literacy and competence of Indiana's citizens.

The major sponsors of the event are:

O'Reilly Raceway Park - track and support personnel

Briggs & Stratton Corp – engines

Vincennes University – Technical Inspection facilities, Technical Inspection dinner, support personnel, cash support,

Universal Technical Institute – cash support

Mr. Gregg Steele, Mr. Mike Fitzgerald, Mr. Jim Thompson – trophies

East Enterprises – fuel tanks

A list of schools entered is attached.

FOR FURTHER INFORMATION CONTACT:

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